

**Informal Working Group 3 (IWG-3)  
WRC-03 Advisory Committee**

**DRAFT PRELIMINARY VIEW  
Agenda Item 1.11**

**WRC-03 Agenda Item 1.11:** to consider possible extension of the allocation to MSS (Earth-to-space) on a secondary basis in the band 14-14.5 GHz to permit operation of the aeronautical mobile-satellite service as stipulated in Resolution **216 (Rev.WRC-2000)**.

**ISSUE:** WRC-03 will consider broadening the secondary MSS allocation at 14-14.5 to include AMSS should the ITU-R studies under Resolution 216 demonstrate that such use will not cause harmful interference to the primary services, including FSS, radionavigation, fixed and mobile, and will be compatible with the current secondary services.

**BACKGROUND:** Land and maritime mobile-satellite service networks have been successfully operating on a secondary basis in the 14-14.5 band for a number of years under an existing allocation. Resolution **216**, originally adopted by WRC-97 and modified by WRC-2000, recognizes that the existing demand for use on board aircraft of capabilities to provide broadband two-way communication and data transmission services justifies consideration of broadening the secondary MSS allocation to include aeronautical applications. The Resolution invites the ITU-R to complete in time for WRC-03 technical and operational studies on the feasibility of sharing of the band 14-14.5 GHz between the fixed-satellite (Earth-to-space), radionavigation, fixed and mobile (except aeronautical mobile) services and the aeronautical mobile-satellite service, with the latter on a secondary basis.

The ITU-R is now in the midst of a substantial work program on this issue under the lead of Working Party 8D. Working Parties 4A and 9D have already made significant progress on identifying parameters and methodologies for analyses, and have conducted initial studies. United States contributions to Working Parties 7B and 7D will be submitted soon.

**PRELIMINARY VIEW:** The United States was the primary proponent of agenda item 1.11 and the revision to Resolution 216 at WRC-2000. It continues to be the main proponent of the AMSS agenda item in the ITU-R, including Working Parties 8D, 4A, 9D, 7B, and 7D.

The U.S. supports the broadening of the secondary MSS allocation at 14-14.5 GHz to include AMSS, provided that the ITU-R studies indicate that this service can operate without causing harmful interference to the primary services in the band and that the service will be compatible with existing secondary uses.

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